FUTURE GRAPHICS

Samsung ML-2250

TECHNICAL INSTRUCTIONS

ML2250TECH

Technical Instructions	Printers	OEM Info	Tools	1

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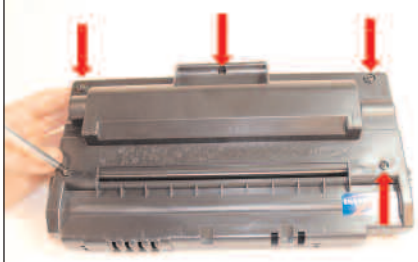
Samsung ML-2250
Samsung ML-2251N
Samsung ML-2251NP
Samsung ML-2252W
Samsung MFP soon to be released
Dell 1600N

Part Number: ML-2250D5
Gram Load: 125 grams
Yield @ 5%: 5,000 pages
Resolution: 1200 dpi

Small Flat Blade Screwdriver
Philips Screwdriver

Supplies Needed:
Lint free cloth
Cotton Swab
Acetone
Toner

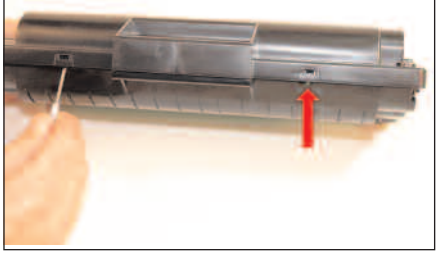
Photo 1



Step 1

Remove the five screws from the top of the cartridge.
(See Photo 1)

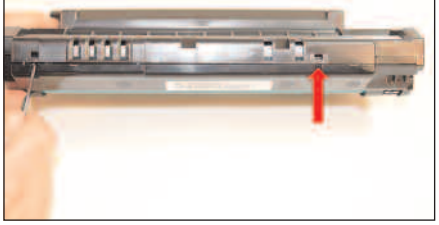
Photo 2



Step 2

Using a small flat blade screwdriver, release the two locking tabs located next to the cartridge handle.
(See Photo 2)

Photo 3

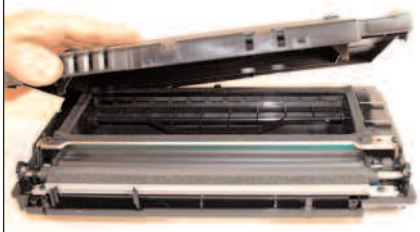


Step 3

Rotate the cartridge 180∞ release the two locking tabs located in the front of the cartridge.
(See Photo 3)

Notes

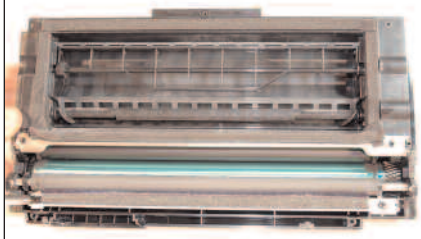
Photo 4



Step 4

Remove the top section of the cartridge.
(See Photo 4)

Photo 5



Step 5

Remove the two screws holding the PCR cleaning brush.
(See Photo 5)

Photo 6

Step 6

Lift out the cleaning brush.
(See Photo 6)

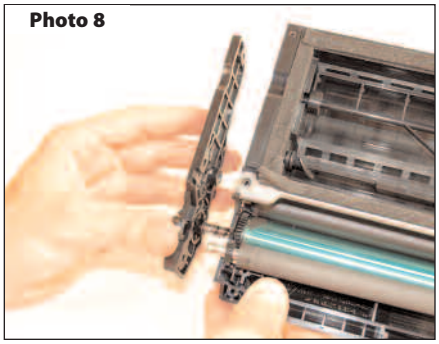
Clean the brush carefully using dry compressed air.

Photo 7

Step 7

Remove the four screws holding the contact end cap to the cartridge.
(See Photo 7)

Photo 8



Step 8

Slide the contact end cap away from the cartridge.
(See Photo 8)

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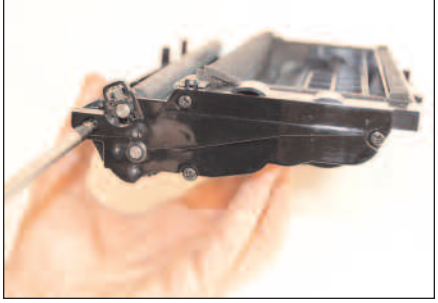
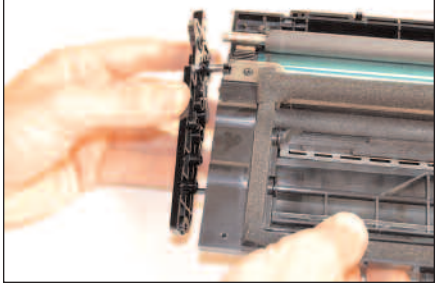
Photo 9



Step 9

Rotate the cartridge around. Remove the four screws holding the gear assembly end cap. *(See Photo 9)*

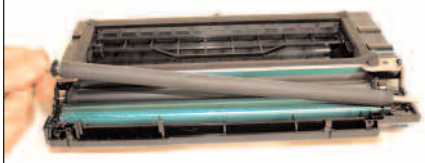
Photo 10



Step 10

Slide the end cap away from the cartridge. *(See Photo 10)*

Photo 11



Step 11

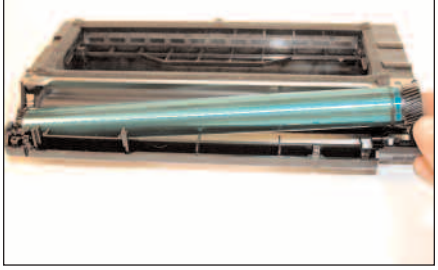
Remove the PCR from the cartridge. (See Photo 11)

Photo 12

Step 12

Note the position of the seven gears located behind the end cap. (See Photo 12) Remove the seven gears.

Photo 13



Step 13

Carefully remove the drum. (See Photo 13) If you plan on reusing the drum, place it in a protected area out of the light.

Notes

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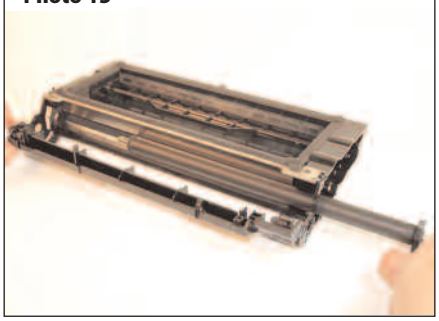
Notes

Photo 14

Step 14

Release the locking tab that holds the developer roller end cap.
(See Photo 14)

Photo 15



Step 15

Carefully slide the developer roller out from the end of the cartridge.
(See Photo 15)
Clean the developer roller using a dry lint free cloth.

Photo 16

Step 16

Dump the old toner from the toner hopper. Clean the hopper using dry compressed air or a vacuum.

Step 17

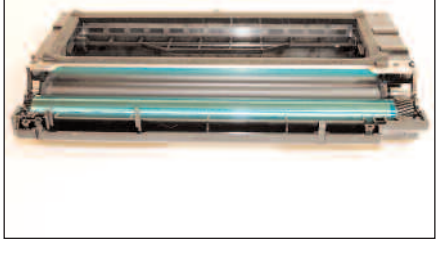
Clean the doctor blade using a cotton swab and Acetone. (See Photo 16)

Photo 17

Step 18

Slide the clean developer roller back into the cartridge. Make sure the developer roller end cap locking tab snaps into position.
(See Photo 17)

Photo 18



Step 19

Carefully place the drum back into the cartridge.
(See Photo 18)

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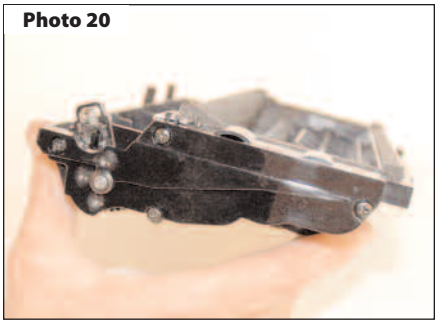
Photo 19

Step 20

Install the seven gears onto the end of the cartridge.

(See Photo 19)

Photo 20

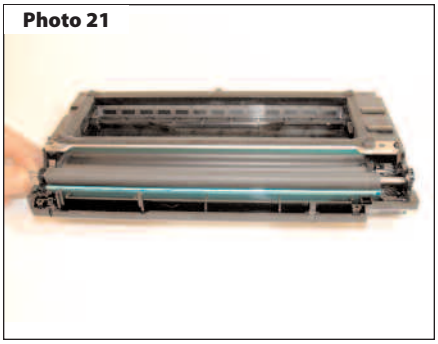


Step 21

Slide the gear-housing end cap on to the end of the cartridge, and install the four screws that hold the end cap in place.

(See Photo 20)

Photo 21



Step 22

Place the non gear end of the PCR into the PCR saddle on the gear housing end cap.

(See Photo 21)

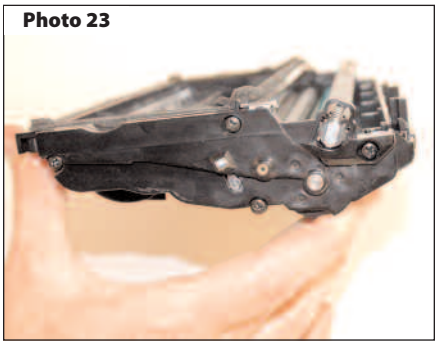
Photo 22

Step 23

Slide the contact end cap onto the end of the cartridge. Lift up on the PCR saddle so the shaft of the PCR fits into the saddle.

(See Photo 22)

Photo 23



Step 24

Install the four screws that hold the contact end cap to the cartridge.

(See Photo 23)

Notes

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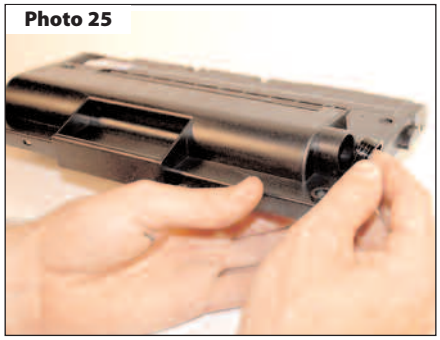
Notes

Photo 24

Step 25

Place the PCR cleaning brush into position. Install the two screws that hold the brush in place. (See Photo 24)

Photo 25

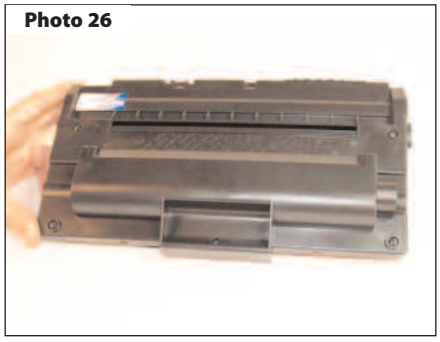


Step 26

Push the fill plug out from the top of the cartridge.

(See Photo 25)

Photo 26



Step 27

Place the top cover onto the cartridge. Install the five screws that hold the cover in place.

(See Photo 26)

Photo 27

Step 28

Fill the cartridge with toner and place the fill plug into the fill hole.

(See Photo 27)

Step 29

Test the cartridge.

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Remanufacturing the Samsung ML-2250

Introduced back in July 2004, the Samsung ML-2250 family of four printers includes the ML-2250, ML-2251N, the ML-2251NP, and the ML-2252W. Each printer has a duty cycle of 30,000 pages per month and is capable of printing 22 pagers per minute at 1200 X 1200 dpi.

The base model ML-2250 sells for $229 which is $70 less than the HP1150 and its $30 more than the new Lexmark E232. The network version, ML-2251N, which comes without PostScript support, and the ML-2251NP, which supports PostScript, sell for $299 and $349. The fourth printer the ML-2252W has wireless networking capabilities and sells for $499.

Dell introduced a MFP machine back in May 2004, based on the same Samsung engine. The Dell 1600n sells for $399, has a print and copy speed of 22ppm and prints at 600 x 600 dpi, enhanced to “1,200 image quality”. Samsungs MFP based on the ML-2250 engine has not yet been released but expect it shortly.

Samsung offers only a high yield cartridge for the Samsung ML-2250. The ML2250D5 sells for $99.99, holds 125 grams of toner and yields 5,000 pages at 5% coverage. Dell on the other hand offers a standard 3,000 page cartridge (part # 310-5416) as well as a high yield 5,000 page cartridge (part #310-1417) that sells for $79.95.

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